	BHRUHAT BANGALORE MAHANAGARA PALIKE							
	Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division							
	RA Bill-01 & Part measuremnts.							
	Name of Agency:- Benaka Developers & Projects Pvt.Ltd							
	Name of the Division:- Dasarahalli Division							
	Measurement Recorded On:-02-04-2018 & 4-04-2018							
BOQ. No	Description	Unit	No's		Length	Breadth	H/D	Qty	Remarks
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications.								
	Levelling Site Area	Cum	1.00	1.00	30.00	(21+17)/2	3.55	2023.50	
							Total Qty	**2023.50**	
							Present Qty	**1618.80**	
							Reserved Qty	**404.70**	

PMC
Newzen Consultants Bangalore

Assistant Engineer
Project Division Dasarahalli
BBMP

Assistant Executive Engineer
Project Division Dasarahalli
BBMP

Asst. Executive Engineer
Project Division-1
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

For Benaka Developers And Projects Pvt. Ltd

Managing Director

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	BHRUHAT BANGALORE MAHANAGARA PALIKE							
	Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division							
	RA Bill-01 & Part measuremnts.							
	Name of Agency:- Benaka Developers & Projects Pvt.Ltd							
	Name of the Division:- Dasarahalli Division							
	Measurement Recorded On:-06-04-2018 & 09-04-2018							
BOQ. No	Description	Unit	No's	Length	Breadth	H/D	Qty	Remarks
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches,stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per complete as per specifications.with all lead and lift and directions of the Engineer-In-charge of the							
	Footing Excavation							
	F2	Cum	1.00	5.00	3.30	3.00	2.80	138.60
	F3	Cum	1.00	7.00	3.40	3.20	2.80	213.25
	F4	Cum	1.00	9.00	2.90	2.90	2.80	211.93
	F6	Cum	1.00	1.00	6.90	4.20	2.80	81.14
	F7	Cum	1.00	1.00	4.90	3.30	2.80	45.28
	F8	Cum	1.00	1.00	5.00	3.40	2.80	47.60
	Retaining Wall	Cum	1.00	1.00	38.50	2.40	2.80	258.72
	SSM Excavation							
	Grid 1-7 Along A,C,F,G	Cum	1.00	4.00	15.83	1.00	1.20	75.98
	Grid A-G Along 1,7	Cum	1.00	1.00	22.86	1.00	1.20	27.43
	Grid F-C Along 2,6	Cum	1.00	2.00	12.87	1.00	1.20	30.89
	Grid A-C Along 6	Cum	1.00	1.00	5.52	1.00	1.20	6.62
	Grid 6-7 along B	Cum	1.00	1.00	2.80	1.00	1.20	3.36
	Sump Excavation	Cum	1.00	1.00	3.65	2.64	2.00	19.30
						Total Qty		**1160.10**
						Present Qty		**682.31**
						Reserved Qty		**477.79**

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Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

For Benaka Developers And Projects Pvt. Ltd

Managing

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	BHRUHAT BANGALORE MAHANAGARA PALIKE								
	Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no 13 Shettihalli Sub Division								
	RA Bill-01 & Part measuremnts.								
	Name of Agency:- Benaka Developers & Projects Pvt Ltd								
	Name of the Division:- Dasarahalli Division								
	Measurement Recorded On:- 06-04-2018 & 09-04-2018								
BOQ No	Description	Unit	No's		Length	Breadth	H/D	Qty	Remarks
3	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation in loose / soft or hard rock including cost of materials, labour complete as per specifications,								
	Footing Excavation								
	F2	Cum	1.00	5.00	3.30	3.00	1.30	64.35	
	F3	Cum	1.00	7.00	3.40	3.20	1.30	99.01	
	F4	Cum	1.00	9.00	2.90	2.90	1.30	98.40	
	F6	Cum	1.00	1.00	6.90	4.20	1.30	37.67	
	F7	Cum	1.00	1.00	4.90	3.30	1.30	21.02	
	F8	Cum	1.00	1.00	5.00	3.40	1.30	22.10	
	Retaining Wall	Cum	1.00	1.00	38.50	2.40	1.30	120.12	
							Total Qty	**462.67**	
							Present Qty	**169.90**	
							Reserved Qty	**292.77**	

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Assistant Engineer
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Project Division Dasarahalli
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Asst. Executive Engineer
Project Sub Division-1
Dasarahalli Zone.
Bruhat Bengaluru Mahanagara Palike

For Benaka Developers And Projects Pvt. Ltd

HARI. D
Managing Director

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BHRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

RA Bill-01 & Part measuremnts.

Name of Agency:- Benaka Developers & Projects Pvt.Ltd

Name of the Division:- Dasarahalli Division

Measurement Recorded On:- 06-04-2018 & 09-04-2018

BOQ. No	Description	Unit	No's		Length	Breadth	H/D	Qty	Remarks
3	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard rock including cost of materials, labour complete as per specifications,								
	Footing Excavation								
	F2	Cum	1.00	5.00	3.30	3.00	1.30	64.35	
	F3	Cum	1.00	7.00	3.40	3.20	1.30	99.01	
	F4	Cum	1.00	9.00	2.90	2.90	1.30	98.40	
	F6	Cum	1.00	1.00	6.90	4.20	1.30	37.67	
	F7	Cum	1.00	1.00	4.90	3.30	1.30	21.02	
	F8	Cum	1.00	1.00	5.00	3.40	1.30	22.10	
	Retaining Wall	Cum	1.00	1.00	38.50	2.40	1.30	120.12	
							Total Qty	**462.67**	
							Present Qty	**169.90**	
							Reserved Qty	**292.77**	

PMC
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Assistant Engineer
Project Division Dasarahall
BBMP

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Project Division Dasarahalli
BBMP

Asst. Executive Engineer
Project Division Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

For Benaka Developers And Projects Pvt. Ltd

[illegible]AHARI .D
Managing Director

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BHRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

RA Bill-01 & Part measuremnts.

Name of Agency:- Benaka Developers & Projects Pvt.Ltd

Name of the Division:- Dasarahalli Division

Measurement Recorded On:-10-04-2018

Q.	Description	Unit	No's	Length	Breadth	H/D	Qty	Remarks
	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be							
	Footing Excavation							
	Building Area	Sqm	1.00	1.00	23.00	16.00	368.00	
						Total Qty	**368.00**	
						Present Qty	**287.51**	
						Reserved Qty	**80.49**	

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Dasarahalli Sub Division-1
Dasarahalli Zone.
Bruhat Bengaluru Mahanagara Palike

For Benaka Developers And Projects Pvt. Ltd

RAHARI .D
Managing Director

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BHRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli
Sub Division
RA Bill-01 & Part measuremnts
Name of Agency:- Benaka Developers & Projects Pvt.Ltd
Name of the Division:- Dasarahalli Division
Measurement Recorded On:-31-05-2018, 10-7-2018 ,10-08-2018 & 27-11-2018

SQ	Description	Unit	No's	Length	Breadth	H/D	Qty	Remarks
	KSRB 4-6.11 Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.							
	Basemnet Floor							
	Stairacse Shuttering							
	1st Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
	Mid Landing	Sqm	1.00	1.00	2.60	1.20		3.12
	Mid Landing Beam	Sqm	1.00	1.00	2.60		0.98	2.55
	2nd Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
	Ground Floor							
	Stairacse Shuttering							
	1st Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
	Mid Landing	Sqm	1.00	1.00	2.60	1.20		3.12
	Mid Landing Beam	Sqm	1.00	1.00	2.60		0.98	2.55
	2nd Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
	Maznain Floor							
	Stairacse Shuttering							
	1st Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
	Mid Landing	Sqm	1.00	1.00	2.60	1.20		3.12
	Mid Landing Beam	Sqm	1.00	1.00	2.60		0.98	2.55
	2nd Flight							
	Waist Slab	Sqm	1.00	1.00	2.80	1.20		3.36
	Steps	Sqm	1.00	10.00	1.20		0.15	1.80
						Total Qty		**47.96**
						Present Qty		**30.79**
						Reserved Qty		**17.17**

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Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

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BHRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

RA Bill-01 & Part measuremnts.

Name of Agency:- Benaka Developers & Projects Pvt.Ltd

Name of the Division:- Dasarahalli Division

Measurement Recorded On:-22-04-2018, 31-05-2018, 10-7-2018 ,10-08-2018 & 27-11-2018

SQ No	Description	Unit	No's	Length	Breadth	H/D	Qty	Remarks
23	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
	Steel Calculated as per Barbending Schedule and Barbending Schedule,- Enclosed Seperately							
	Footing, Pedestal						3.23	
	Column Upto Plinth & Plinth Beam						7.15	
	Retaining Wall						4.16	
	Basement Floor						17.87	
	Ground Floor						9.54	
	Maznain Floor						7.12	
						Total Qty	**49.06**	
						Present Qty	**41.29**	
						Reserved Qty	7.77	

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Project Division-1
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

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BHRUHAT BANGALORE MAHANAGARA PALIKE

Name of work:Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13
Shettihalli Sub Division
RA Bill-01 & Part measuremnts.
Name of Agency:- Benaka Developers & Projects Pvt.Ltd
Name of the Division:- Dasarahalli Division
Measurement Recorded On:-11-04-2018

BOQ No	Description	Unit	No's	Length	Breadth	H/D	Qty	Remarks
138	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications,							
	Footing Footing							
	F2	Cum	1.00	5.00	2.70	2.40	0.40	12.96
	F3	Cum	1.00	7.00	2.80	2.60	0.40	20.38
	F4	Cum	1.00	9.00	2.30	2.30	0.40	19.04
	F6	Cum	1.00	1.00	6.30	3.60	0.40	9.07
	F7	Cum	1.00	1.00	4.30	2.70	0.40	4.64
	F8	Cum	1.00	1.00	4.40	2.80	0.40	4.93
	Retaining Wall PCC	Cum	1.00	1.00	38.50	1.40	0.20	10.78
						Total Qty		**81.81**
						Present Qty		**61.57**
						Reserved Qty		**20.24**

PMC
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Assistant Engineer
Project Division Dasarahalli
BBMP

Assistant Executive Engineer
Project Division Dasarahalli
BBMP

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

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Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward No.

Reinforcement Details

BOQ.No	Description	Member	Dia of Bar	Length of Bar	Nos			8mm	10mm	12mm	16mm	20mm	25mm
23	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured paid) cost of materials, labour, HOM f machinery complete as per specifications.complete as per specifications.with all lead and lift and directions of the Engineer-In-charge of the work												
1	**Footing Mat**												
	F2	Main	12	2.4	13	5	1	-	-	156.00	-	-	-
		Distribution	12	2.7	14	5	1	-	-	189.00	-	-	-
	F3	Main	12	2.6	14	7	4	-	-	1,019.20	-	-	-
		Distribution	12	2.8	15	7	1	-	-	294.00	-	-	-
	F4	main	12	2.3	12	9	1	-	-	248.40	-	-	-
		Distribution	12	2.3	12	9	1	-	-	248.40	-	-	-
	F6	Main	12	3.6	19	1	1	-	-	68.40	-	-	-
		Distribution	12	6.3	33	1	1	-	-	207.90	-	-	-
	F4	main	12	2.7	15	1	1	-	-	40.50	-	-	-
		Distribution	12	4.3	23	1	1	-	-	98.90	-	-	-
	F6	Main	12	2.3	15	1	1	-	-	34.50	-	-	-
		Distribution	12	4.4	23	1	1	-	-	101.20	-	-	-
	Pedestal												
	C1,C2,C3	Main	12	2.75	12	1	11	-	-	363.00	-	-	-
		Stirupps	8	2.4	19	1	11	492.80	-	-	-	-	-
								-	-	-	-	-	-
	C4 & C5	Main	12	2.75	12	1	7	-	-	231.00	-	-	-
		Stirupps	8	2.4	19	1	7	319.20	-	-	-	-	-
								812.00	-	**3,300.40**	-	-	-
								0.395	**0.620**	**0.880**	**1.580**	**2.467**	**3.850**
								320.74	-	**2,904.35**	-	-	-
								0.321	**-.0**	**2.904**	**-.0**	**-.0**	**-.0**
								3.225					
								-	-	-	-	-	-
	Column Upto Plinth Bea												
		Main	20	3.65	4	2	1	-	-	-	-	29.20	-

Total length of steel bar
Unit weight of steel bars Kg/mt
Total weight of steel in Kg
Total weight of steel in MT
Total Net weight of steel in MT

BEENAYA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.
Bruhat Bengaluru Mahanagara Palike

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Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

Reinforcement Details

BOQ.No	Description	Member	Dia of Bar	Length of Bar	Nos			8mm	10mm	12mm	16mm	20mm	25mm
		main	16	3.65	4	2	1						
		Stirupps	8	1.22	24	2	1	59.37	-	-	-	-	-
		Stirupps	8	0.84	24	2	1	40.32	-	-	-	-	-
	C2	Main	25	3.65	4	8	1	-	-	-	-	-	116.80
		MAin	20	3.65	6	8	1	-	-	-	-	175.20	-
		Stirupps	8	1.5	24	8	1	288.00	-	-	-	-	-
		Stirupps	8	1.05	24	8	1	201.60	-	-	-	-	-
	C3	Main	20	3.65	4	7	1	-	-	-	-	102.20	-
		Main	16	3.65	6	7	1	-	-	-	153.30	-	-
		Stirupps	8	1.36	16	7	1	152.32	-	-	-	-	-
		Stirupps	8	0.91	16	7	1	101.92	-	-	-	-	-
	C4	Main	20	3.65	10	5	1	-	-	-	-	182.50	-
		Stirupps	8	1.19	24	5	1	142.80	-	-	-	-	-
	C5	Main	16	3.65	10	6	1	-	-	-	219.00	-	-
		Stirupps	8	1.19	24	6	1	171.36	-	-	-	-	-
	Plinth Beam Reinforcement												
	PB1	Top Main	25	22.86	6	1	1	-	-	-	-	-	137.16
		Bottom Main	25	22.86	6	1	1	-	-	-	-	-	137.16
		T.E	20	22.86	2	1	1	-	-	-	-	45.72	-
		B.E	20	22.86	2	1	1	-	-	-	-	45.72	-
		Stirupps	8	1.36	142	1	1	193.12	-	-	-	-	-
	PB2	top Main	25	15.23	3	3	1	-	-	-	-	-	137.07
		Bottom Main	25	15.23	3	3	1	-	-	-	-	-	137.07
		T.E	20	15.23	2	3	1	-	-	-	-	91.38	-
		B.E	20	15.23	2	3	1	-	-	-	-	91.38	-
		STIRUPPS	8	1.36	95	3	1	387.60	-	-	-	-	-
	PB5	top Main	25	12.87	3	2	1	-	-	-	-	-	77.22
		Bottom Main	25	12.87	3	2	1	-	-	-	-	-	77.22
		T.E	20	12.87	2	2	1	-	-	-	-	51.48	-
		B.E	20	12.87	2	2	1	-	-	-	-	51.48	-

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PAILKE

Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

Reinforcement Details

BOQ.No	Description	Member	Dia of Bar	Length of Bar	Nos			8mm	10mm	12mm	16mm	20mm	25mm
		STIRUPPS	8	1.36	81	2	1	220.32	-	-	-	-	-
	PB3	top Mian	25	5.52	3	2	1	-	-	-	-	-	33.12
		Bottom Main	25	5.52	3	2	1	-	-	-	-	-	33.12
		T.E	20	5.52	2	2	1	-	-	-	-	22.08	-
		B.E	20	5.52	2	2	1	-	-	-	-	22.08	-
		STIRUPPS	8	1.36	35	2	1	95.20	-	-	-	-	-
	PB4	top Main	25	2.61	3	1	1	-	-	-	-	-	7.83
		Bottom Main	25	2.61	3	1	1	-	-	-	-	-	7.83
		T.E	20	2.61	2	1	1	-	-	-	-	5.22	-
		B.E	20	2.61	2	1	1	-	-	-	-	5.22	-
		STIRUPPS	8	1.36	17	1	1	23.12	-	-	-	-	-
		Total length of steel bar						2,077.05	-	-	372.30	920.86	901.60
		Unit weight of steel bars Kg/mt						0.395	0.620	0.880	1.580	2.467	3.850
		Total weight of steel in Kg						820.44	-	-	588.23	2,271.76	3,471.16
		Total weight of steel in MT						0.820	-.0	-.0	0.588	2.272	3.471
		Total Net weight of steel in MT						7.152					
	Retaing Wall Reinforcements.												
	Raft	top Main	12	2.3	257	1	1	-	-	590.33	-	-	-
		Bottom Main	12	2.3	257	1	1	-	-	591.10	-	-	-
		Top Distribution	12	38.5	15	1	1	-	-	590.33	-	-	-
		Bottom Distribution	12	3.65	15	1	1	-	-	54.75	-	-	-
	Wall	Main	12	5.8	190	2	1	-	-	2,204.00	-	-	-
		Distribution	8	38.5	20	2	1	1,540.00	-	-	-	-	-
		Total length of steel bar						1,540.00	-	4,030.52	-	-	-
		Unit weight of steel bars Kg/mt						0.395	0.620	0.880	1.580	2.467	3.850
		Total weight of steel in Kg						608.30	-	3,546.85	-	-	-
		Total weight of steel in MT						0.608	-.0	3.547	-.0	-.0	-.0
		Total Net weight of steel in MT						4.155					
	Basement Floor												

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

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BRUHAT BANGALORE MAHANAGARA PAILKE

Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

Reinforcement Details

BOQ No	Description	Member	Dia of Bar	Length of Bar	Nos			8mm	10mm	12mm	16mm	20mm	25mm
	B15	top Mian	25	5.64	3	2	1	-	-	-	-	-	33.84
		Bottom Main	25	5.64	3	2	1	-	-	-	-	-	33.84
		T.E	20	5.64	2	2	1	-	-	-	-	22.56	-
		B.E	20	5.64	2	2	1	-	-	-	-	22.56	-
		STIRUPPS	8	1.36	36	2	1	97.92	-	-	-	-	-
	B12	top Main	16	4.78	3	1	1	-	-	-	14.34	-	-
		Bottom Main	16	4.78	3	1	1	-	-	-	14.34	-	-
		B.E	20	4.78	2	1	1	-	-	-	-	9.56	-
		STIRUPPS	8	1.16	24	1	1	27.84	-	-	-	-	-
	Slab Reinforcements.												
	Grid B-C along 7-5 S14	Top Main	12	2.66	42	1	1	-	-	111.99	-	-	-
		Distribution	10	4.21	21	1	1	-	89.59	-	-	-	-
		Extar Bars	12	0.75	42	1	1	-	-	31.58	-	-	-
		Extar Bars	10	1.25	21	1	1	-	26.60	-	-	-	-
	Grid A-B along 7-5 S15	Top Main	12	1.76	52	1	1	-	-	91.70	-	-	-
		Distribution	10	5.21	14	1	1	-	73.36	-	-	-	-
		Extar Bars	12	0.45	52	1	1	-	-	23.45	-	-	-
		Extar Bars	10	1.25	14	1	1	-	17.60	-	-	-	-
	Grid A-C along 5-3 S16	Top Main	12	5.21	57	1	1	-	-	294.89	-	-	-
		Distribution	10	5.66	42	1	1	-	235.91	-	-	-	-
		Extar Bars	12	1.58	57	1	1	-	-	89.43	-	-	-
		Extar Bars	10	1.78	42	1	1	-	74.19	-	-	-	-
	Grid A-C along 3-1 S17	Top Main	12	5.21	57	1	1	-	-	294.89	-	-	-
		Distribution	10	5.66	42	1	1	-	235.91	-	-	-	-
		Extar Bars	12	1.58	57	1	1	-	-	89.43	-	-	-
		Extar Bars	10	1.78	42	1	1	-	74.19	-	-	-	-
	Stairacse												
	Beam	Top mAin	16	1.5	3	1	1	-	-	-	4.50	-	-
		Bottom	16	1.5	3	1	1	-	-	-	4.50	-	-
		Stirupps	8	1.75	10	1	1	17.50	-	-	-	-	-

Asst. Executive Engineer
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BRUHAT BANGALORE MAHANAGARA PAILKE

Construction of Ambedkar Samudaya Bhavana At Mallasandra in Ward no.13 Shettihalli Sub Division

Reinforcement Details

BOQ.No	Description	Member	Dia of Bar	Length of Bar	Nos			8mm	10mm	12mm	16mm	20mm	25mm
	1St Flight	Top mAin	12	0.85	8	1	1	-	-	6.80	-	-	-
		Distribution	10	1.2	6	1	1	-	7.20	-	-	-	-
		Flight Rod	12	2.85	8	1	1	-	-	22.80	-	-	-
		Distribution	10	1.2	19	1	1	-	22.80	-	-	-	-
	Mid landing Beam	Top mAin	16	2.6	2	1	1	-	-	-	5.20	-	-
		Bottom	16	2.6	2	1	1	-	-	-	5.20	-	-
		Stirupps	8	1.36	17	1	1	23.57	-	-	-	-	-
	Mid landing Slab	Main	12	1.2	17	1	1	-	-	20.80	-	-	-
		Distribution	12	2.6	8	1	1	-	-	20.80	-	-	-
		Top mAin	12	1.2	17	1	1	-	-	20.80	-	-	-
		Top Distribution	12	2.6	8	1	1	-	-	20.80	-	-	-
	2nd Flight	Top mAin	12	0.9	8	1	1	-	-	7.20	-	-	-
		Distribution	10	1.2	6	1	1	-	7.20	-	-	-	-
		Flight Rod	12	2.85	8	1	1	-	-	22.80	-	-	-
		Distribution	10	1.2	19	1	1	-	22.80	-	-	-	-
		Total length of steel bar						1,400.93	887.34	1,170.13	237.08	513.00	868.68
		Unit weight of steel bars Kg/mt						0.395	0.620	0.880	1.580	2.467	3.850
		Total weight of steel in Kg						553.37	550.15	1,029.71	374.59	1,265.57	3,344.42
		Total weight of steel in MT						0.553	0.550	1.030	0.375	1.266	3.344
		Total Net weight of steel in MT						7.118					
		Total Net weight of steel in MT						49.06					

Asst. Executive Engineer
Project Sub Division-I
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